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**(54) Ink jet recording sheet**

(57) The present invention provides an ink jet recording sheet which is excellent in image sharpness, has no waviness even after image recording and drying, has no nonuniformity of coating of the ink-receiving layer surface, and is excellent in quality of image, when the sheet is used in an ink jet recording method using aqueous ink. This object has been achieved by an ink jet recording sheet comprising a substrate made of paper composed mainly of natural pulp and an ink-receiving layer coated on at least one side of the substrate, wherein the ink-receiving layer is formed on the substrate having a density of 1.01 g/cm<sup>3</sup> or more, a Cobb sizing degree of 1.0 g/m<sup>2</sup> to 15.0 g/m<sup>2</sup>, an unevenness in thickness in machine direction (Rpy) of 150 mV or less and a center plane average roughness in machine direction in the whole wavelength region (SRa) of 1.6 µm or less as measured with a tracer type three-dimensional surface roughness meter.

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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 5 619 241 A (K.HOSOI ET AL.) 8 April 1997 * column 3, line 3 - line 24 * * column 5, line 11 - line 44 * * claim 1 * ---	1-9	B41M5/00
A	US 5 616 409 A (T.MATSUDA ET AL.) 1 April 1997 * column 2, line 25 - line 32 * * column 3, line 18 - line 59 * * column 5, line 46 - line 52 * * claims 1,8,9; table 1 * ---	1-9	
A	US 5 589 259 A (K.HOSOI ET AL.) 31 December 1996 * column 3, line 11 - line 52 * * column 5, line 23 - column 6, line 36 * * column 9, line 23 - line 66 * * claims 1-4; examples 1-6,8,9 * * tables 1-3 * ---	1-9	
A	PATENT ABSTRACTS OF JAPAN vol. 95, no. 1, 28 February 1995 & JP 06 278358 A (MITSUBISHI PAPER MILLS, LIMITED), 4 October 1994 * abstract * -----	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B41M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 June 1999	Examiner Bacon, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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